INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 2005/000376

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: D21G 9/00, D21F 7/00
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation scarched (classification system followed by classification symbols)

IPC7: D21G, D21F, B26D, F16C, B66C, B25K, E02F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE, DK, FI, NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPI, EPO-INTERNAL, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4299533 A (MAKOTO OHNAKA), 10 November 1981 (10.11.1981), The whole document especially fig. 2 and 5	1-26
	——————————————————————————————————————	
A	WO 9011165 A1 (KLINTBERG, NICLAS), 4 October 1990 (04.10.1990), figure 1, claim 1	1-26
A	US 4396344 A (KOICHI SUGIMOTO ET AL), 2 August 1983 (02.08.1983), column 3, line 1 - line 47, figures 3,5,6,7	1-26
A	EP 0118845 A1 (SCHLIMM, NORBERT), 19 Sept 1984 (19.09.1984), figure 1, claims	1-26

LX	Further documents are listed in the continuation of Box	. C .	X See patent family annex.
A	Special categories of cited documents: document defining the general state of the art which is not considered to be of particular relevance	T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" "L" "O" "P"	earlier application or patent but published on or after the international filing date document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed	"X" "Y"	document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art document member of the same patent family
	e of the actual completion of the international search May 2005	Date o	f mailing of the international search report
Sw	ne and mailing address of the ISA/ edish Patent Office c 5055, S-102 42 STOCKHOLM simile No. +46 8 666 02 86	Erfic	a Westberg/MP one No. +45 8 782 25 00

Form PCT/ISA/210 (second sheet) (January 2004)

INTERNATIONAL SEARCH REPORT

International application No. PCT/SE 2005/000376

tion). DOCUMENTS CONSIDERED TO BE RELEVANT		
Citation of document, with indication, where appropriate, of the relev	ant passages	Relevant to claim No
CA 2419660 A1 (METSO PAPER KARLSTAD AB), 25 April 2002 (25.04.2002), page 1, line 15 - page 2, line 7; page 5, line 4 - line 11, figures 2,3	- page 7,	. 1-26
gan taph	•	
US 5762759 A (GREGORY L. WEDEL), 9 June 1998 (09.06.1998), column 2, line 35 - line 55; column 4, line 5 - line 22, figure 3		1-26
GB 2189227 A (OY TAMPELLA AB), 21 October 1987 (21.10.1987), figure 2	7	1-26
•		-
•		
	25 April 2002 (25.04.2002), page 1, line 15 - page 2, line 7; page 5, line 4 line 11, figures 2,3 US 5762759 A (GREGORY L. WEDEL), 9 June 1998 (09.06.1998), column 2, line 35 - line 55 column 4, line 5 - line 22, figure 3 GB 2189227 A (OY TAMPELLA AB), 21 October 198	25 April 2002 (25.04.2002), page 1, line 15 - page 2, line 7; page 5, line 4 - page 7, line 11, figures 2,3 US 5762759 A (GREGORY L. WEDEL), 9 June 1998 (09.06.1998), column 2, line 35 - line 55; column 4, line 5 - line 22, figure 3 GB 2189227 A (OY TAMPELLA AB), 21 October 1987

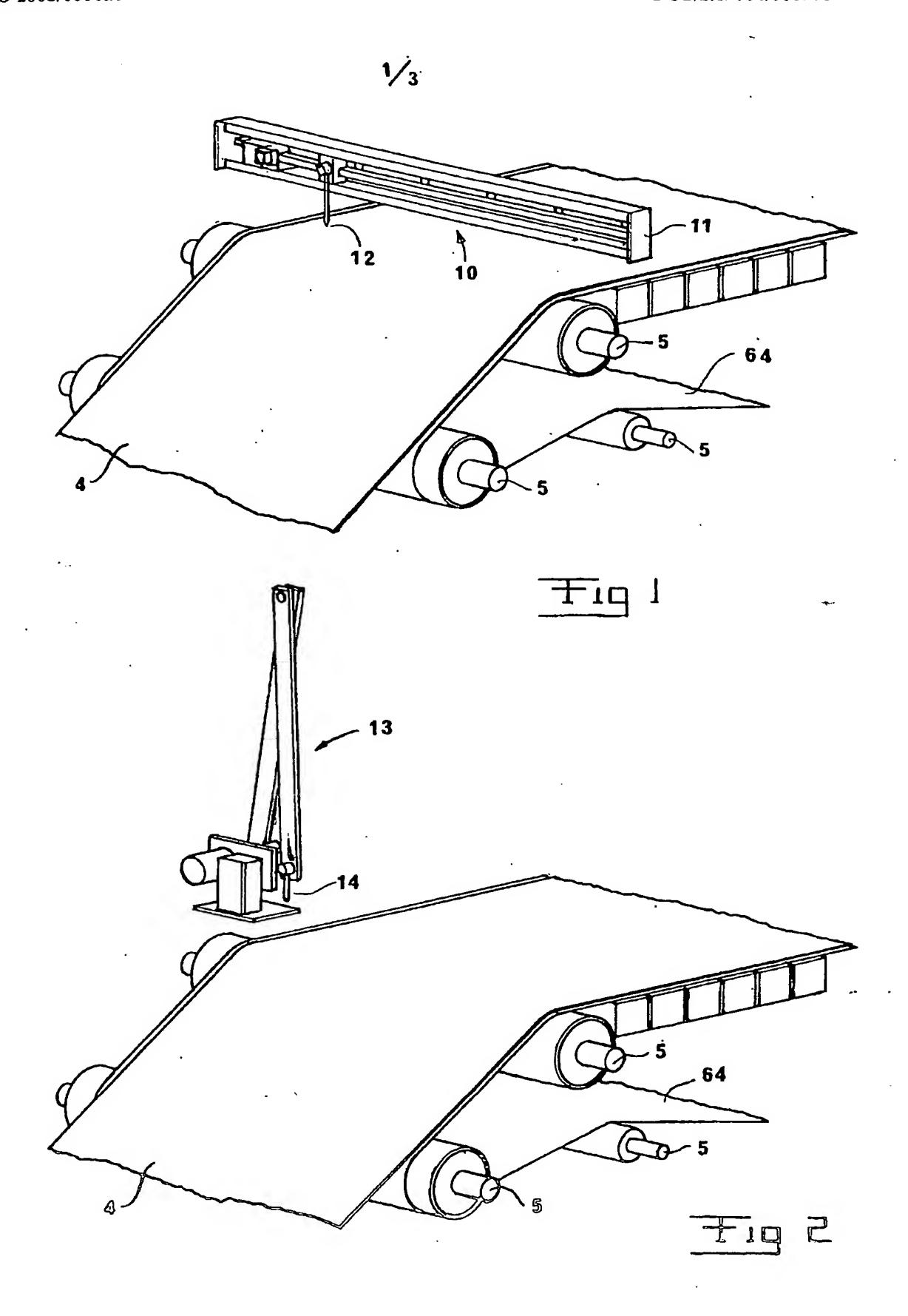
Form PCT/ISA/210 (continuation of second sheet) (January 2004)

Form PCT/ISA/210 (patent family annex) (January 2004)

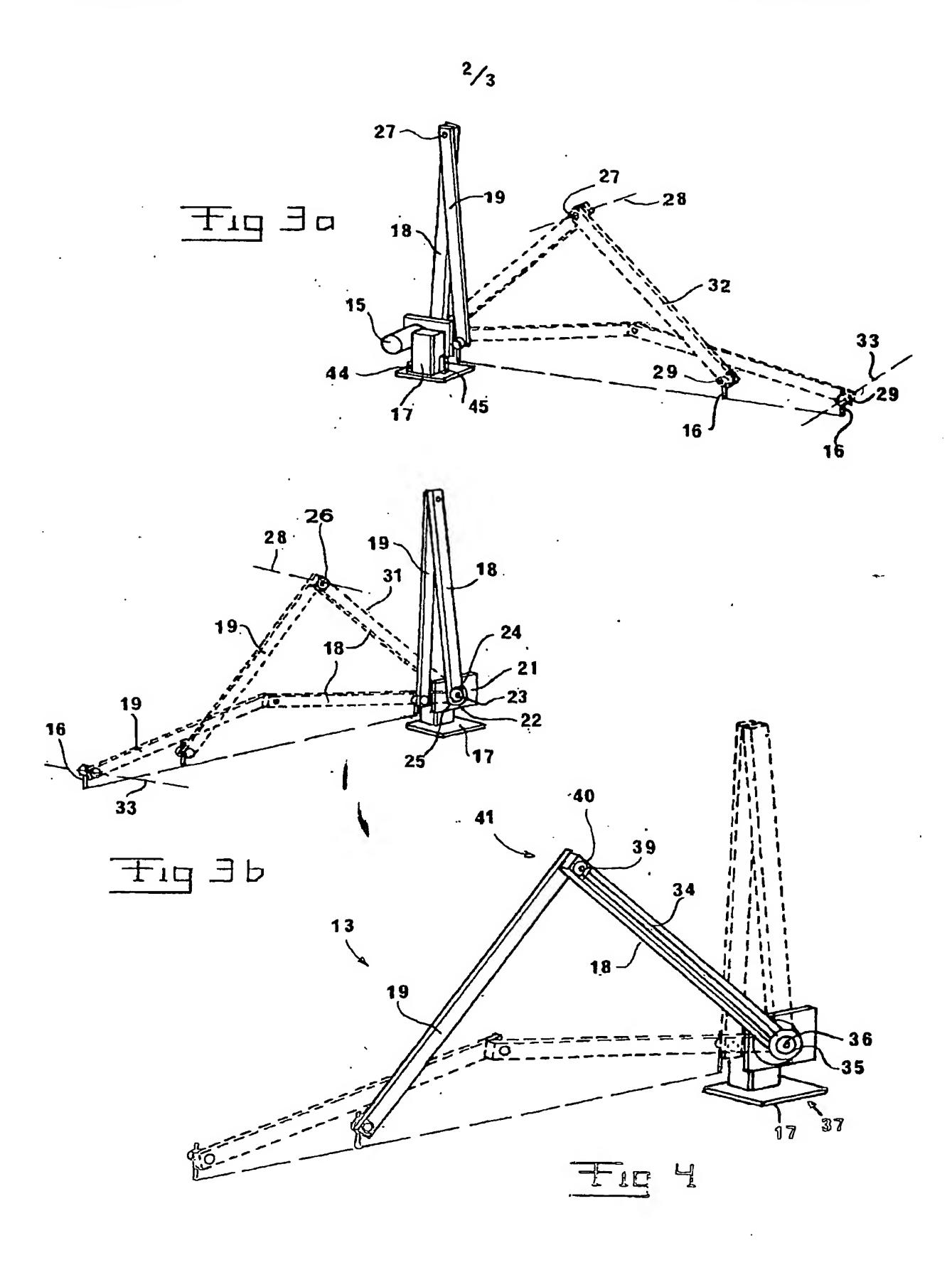
INTERNATIONAL SEARCH REPORT Information on patent family members

International application No. 30/04/2005 | PCT/SE 2005/000376

					0/04/2005 F	- C17 3L	2005/000376
US	4299533	A .	10/11/1981	AU CA DE FR GB IT IT	509159 1074353 2842456 2427884 2022046 1101358 7823457	A A A A,B	24/04/1980 25/03/1980 20/12/1979 04/01/1980 12/12/1979 28/09/1985 04/12/1978
	, ,		·	IT JP JP SE	7830514 54159964 54168623 7810565	D A U	00/00/0000 18/12/1979 28/11/1979 07/12/1979
WO	9011165	A1	04/10/1990	DE EP SE SE	69019963 0464129 502256 8901019	A,B	22/02/1996 08/01/1992 25/09/1995 23/09/1990
US	4396344	A	02/08/1983	DE FR GB GB GB JP JP JP	3038419 2467060 2061872 2125767 8300429 8305700 1473457 56051113 56056395 63012752	A,B A,B D C U A	30/04/1981 17/04/1981 20/05/1981 14/03/1984 00/00/0000 00/00/0000 27/12/1988 07/05/1981 18/05/1981 22/03/1988
EP	0118845	A1	19/09/1984	DE AT DE JP	3308474 28048 3308475 59169785	T A	13/09/1984 15/07/1987 13/09/1984 25/09/1984
CA	2419660	A1	25/04/2002	BR EP SE US WO EP SE US WO	0114211 1332257 517431 0003773 20040069107 0233169 1483937 523100 0102208 20040234091 03001846	ACAAAACAA	21/10/2003 06/08/2003 04/06/2002 20/04/2002 15/04/2004 25/04/2002 08/12/2004 30/03/2004 22/12/2002 25/11/2004 03/01/2003
US	5762759	A	09/06/1998	WO	9832919	A	30/07/1998
GB	2189227	A	21/10/1987	CA DE FI FI GB SE SE US	1280394 3712351 74315 861649 8706682 466316 8701191 4818343	A,C B,C D D B,C	19/02/1991 22/10/1987 30/09/1987 00/00/0000 00/00/0000 27/01/1992 19/10/1987 04/04/1989



)



WO 2005/088010 PCT/SE2005/000376

